| Index of Claims |          |                       |   |          |            |          |        |           |           |           | Application No. |              |           |              |          |             |          |           |            | Applicant(s) |            |            |       |          |          |                |       |       |       |          |         |         |          |
|-----------------|----------|-----------------------|---|----------|------------|----------|--------|-----------|-----------|-----------|-----------------|--------------|-----------|--------------|----------|-------------|----------|-----------|------------|--------------|------------|------------|-------|----------|----------|----------------|-------|-------|-------|----------|---------|---------|----------|
|                 |          | **                    |   | 4 67     | <b>~</b> ( | J,       |        | ıaı       | e i i i   | 3         |                 |              |           |              | ا_ا      | <u>ر</u>    | 4        | <u>/</u>  | <u>*</u>   | 17           | <u>y</u> ( | sauy       |       |          |          |                |       |       |       |          | <u></u> |         |          |
|                 |          |                       |   |          |            |          |        |           |           |           |                 |              |           |              |          | =           | Kan      | une       | 2 <b>F</b> |              |            |            |       |          |          | Aı             | 1 U   | Init  |       |          |         |         |          |
|                 |          | Į                     |   | اء(      |            | 100      | _<br>ה |           | _         | T         | n               | Throi        | ugh (     | nur          | nei      | ai)         | 7        | ٦         | T.         |              |            | ecte       | <br>  |          |          |                |       |       |       |          | _<br>ገ  | _       |          |
|                 |          | F                     | - |          | $\dashv$   |          | -      | +         |           | <u>c</u>  | anci            | lle          | d         |              | 4        |             | ╁        |           |            |              | $\dashv$   |            | 4     |          |          | ppi            |       |       | ┨     |          |         |         |          |
|                 |          |                       | Ľ | Allo     | wo         | ed       | ل      |           | Ľ         | *         |                 | R            | estri     | cte<br>—     | d        |             |          | Ľ         | Ш          | Inte         | rfe        | renc       | ;a    |          | 0        |                | Ot    | jec   | te    | <b>-</b> |         |         |          |
| a               | eim<br>T |                       | _ | 7        | T          | Da       | ile    | _         | _         |           | 7               |              | aim<br>T  | F            |          |             | D:       | ate       | _          | 7            | $\Box$     | F          | Clai  |          | L        | _              | _     | D:    | ate   |          | _       | _       | ] .      |
| E E             | Original | 8/12/03               |   |          |            |          |        |           |           |           |                 | Fhai         | Original  |              |          |             |          |           |            |              |            |            | Final | Original |          |                |       |       |       |          |         |         |          |
|                 | 1        |                       |   | 士        | t          | #        | #      | 1         | 1         | #         | 1               |              | 51        | 上            |          |             | $\pm$    | 士         | 土          | 上            | Ы          |            | -†    | 01       |          | 1              | $\pm$ | 士     | $\pm$ | 士        | $\pm$   | 士       | 1        |
| $\vdash$        | 1        | Н                     | H | ╁        | ╁          | ╁        | ╀      | +         | +         | +         | ┨               | -            | 52<br>53  | ╀            | ╀        | Н           | $\dashv$ | +         | ╀          | ╀            | Н          | -          |       | 02       | Н        | +              | +     | +     | +     | +        | Ŧ       | +       | -        |
|                 | 1        |                       |   | 上        |            | 1.       | 1      | 土         | 1         |           | 1               |              | 54        |              |          |             |          | 土         | 土          |              | 口          |            |       | 04       |          | 士              | 1     | 1     | 士     | 土        | 1       |         | 1        |
| $\vdash$        | (5°)     | H                     | ┡ | ╀        | ╀          | ╀        | ╀      | ╀         | +         | ╀         | ┨               | -            | 55<br>56  | ├-           | L        | Н           | +        | +         | +          | ╀            | Н          | -          |       | 05<br>06 |          | 7              | 4     | 4     | 7     | 4        | Ŧ       | Ţ       | -        |
|                 | 7.       |                       |   | L        |            | 上        | 土      | 土         | 1         | İ         | 1               |              | 57        |              |          |             | 土        | 土         | 土          |              | Ц          | L          | 1     | 07       |          | 士              | $\pm$ | 士     | 1     | 士        | 士       | 士       | 1        |
| -               | ů        | Н                     | L | ╀        | $\vdash$   | Ŧ        | Ŧ      | -         | +         | +         | -               |              | 58<br>59  | <del> </del> | F        | Н           | 1        | Ŧ         | +          | $\vdash$     | Н          | F          |       | 08<br>09 | П        | $\blacksquare$ | 7     | 7     | Ŧ     | Ŧ        | Ţ       | F       | ₹        |
|                 | 1        | П                     |   | İ        | 士          | t        | $\pm$  | 士         | $\pm$     | $\pm$     | 1               |              | 60        | $\vdash$     |          | Н           | $\pm$    | $\dagger$ |            |              | Н          | <u> </u> - |       | 10       | Н        | 十              | +     | +     | +     | +        | +       | +       | 1        |
|                 | 11       |                       | 4 | Ļ        | -          | L        | Ţ      | Ŧ         | Ŧ         | Ŧ         | ]               |              | 61        | F            |          | П           | 7        | 1         | T          | L            | П          | F          |       | 11       |          | 1              | 7     | 7     | 7     | Ţ        | I       | T       | 1        |
| ├               | 12       | Н                     | L | ╁        | ╀          | ╁        | ╫      | ┼         | ┿         | +         | ┨               | ┝            | 62<br>63  | ┝            | H        | Н           | +        | ╀         | ╁          | ╀╾           | Н          | -          |       | 12<br>13 | $\vdash$ | +              | ╁     | +     | +     | ╀        | +       | ╀       | 4        |
|                 | 14       |                       |   |          | L          | I        | 土      | 1         | İ         | 工         | 1               |              | 64        |              |          |             | 工        | 土         | 土          | 上            | 口          |            | •     | 14       |          | 士              | 士     | 土     | 1     | 土        | $\pm$   | 上       | <u> </u> |
| <b> </b>        | 15<br>16 | 1                     | _ | ╀        | ╀          | ╀        | ╀      | +         | +         | ╀         | -               | <u> </u>     | 65<br>66  | ╀            | L        | Н           | +        | +         | +          | -            | Н          | -          |       | 15       | $\vdash$ | 4              | 4     | 4     | 4     | Ţ        | Ţ       | -       | }        |
|                 | 17       | -                     |   | t        | t          | t        | T      | $\dagger$ | $\dagger$ | $\pm$     | 1               |              | 67        |              |          |             | $\pm$    | $\dagger$ | $\perp$    |              | Н          | -          |       | 17       | Н        | $\dashv$       | +     | +     | +     | +        | +       | +       | 1        |
|                 | 18       |                       |   | L        | L          | F        | Ţ      | Ŧ         | Ŧ         | Ŧ         | 7               |              | 68        |              | П        | $\Box$      | 1        | Ŧ         | Ţ          |              |            | F          |       | 18       |          | 7              | 7     | 1     | 1     | 1        | I       | I       | 1        |
| $\vdash$        | 98       | Н                     | _ | ╁        | ╁╴         | ╀        | ╁      | ╁         | ┿         | ┿         | ┨               | <del> </del> | 69<br>70  | $\vdash$     | Н        | ┥           | ╅        | ╀         | ╁          | H            | Н          | ┝          |       | 20       | Н        | ┿              | ┿     | +     | +     | ╁        | ╀       | ╁       | 1        |
|                 | 21       |                       | _ | 匚        |            | İ        | I      | ļ         | I         | 工         | 1               |              | 71        |              |          | $\sqsupset$ | 丰        | 1         |            |              |            | E          |       | 21       |          | ユ              | #     | 1     | 1     | 土        | 1       | 土       | 1        |
| -               | 22<br>23 |                       | _ | ⊢        | ╀          | ╀        | ╀      | ╀         | ╀         | ╀         | ł               | <u> </u>     | 72<br>73  | H            | Н        | $\dashv$    | ╀        | ╀         | ╀          | ╁┤           | Н          | -          |       | 22<br>23 | Н        | +              | +     | ╀     | +     | +        | ╀       | +-      | -        |
|                 | 24       |                       | _ |          | L          | 上        | 1      | 土         | 土         | 上         | 1               |              | 74        |              |          |             | 土        | 土         | 土          |              |            | L          | 1     | 24       |          | 士              | İ     | 1     | 士     | 土        | İ       | 士       | •        |
| $\vdash$        | 25<br>26 |                       |   | H        | ┡          | ╀        | ╄      | +         | +         | ╀         | ┨               |              | 75<br>76  | Н            | Н        | 4           | +        | ╀         | ╀          | Н            | Н          | -          |       | 25<br>26 | Н        | +              | +     | +     | -     | +        | Ŧ       | $\perp$ | -        |
|                 | 27       | •                     | _ | Ħ        | Ė          | L        | t      | İ         | t         | 土         | 1               |              | 77        |              | Т        | $\exists$   | 土        | İ         | 土          |              |            | E          |       | 27       |          | $\pm$          | 士     | $\pm$ | 士     | 士        | 士       | ╁╴      | 1        |
|                 | 28       | $\dashv$              |   | H        | L          | L        | ╀      | +         | +         | -         | ]               |              | 78<br>79  |              | Τ        | 4           | +        | +         | $\perp$    |              | $\dashv$   | F          |       | 3 23     | $\Box$   | 7              | 4     | Ţ     | Ŧ     | Ţ.       | Ţ       | F       | 1        |
|                 | 29<br>30 | _                     | _ | Н        | H          | ╁        | †      | +         | $\dagger$ | $\dagger$ | 1               |              | 80        | H            | Н        | _           | +        | T         | $\pm$      | H            | Н          | _          |       | 29<br>30 | H        | +              | +     | +     | +     | +        | +       | †-      | 1        |
|                 | 31       | $\Box$                |   |          |            | E        | I      | T         | Ţ         | Ŧ         | 1               |              | 81        |              |          | $\sqsupset$ | 1        | Į         | T          | 口            | コ          |            | 1     | 31       | 口        | 1              | #     | 丰     | 1     | T        | T       | 1       | 1        |
| $\vdash$        | 32       | $\dashv$              |   | Н        | ⊢          | ╁        | ╁      | ╀         | +         | +         | 1               | $\vdash$     | 88        | Н            | Н        | +           | +        | +         | +          | Н            | $\dashv$   | $\vdash$   |       | 32<br>33 | ╟╫       | +              | +     | +     | +     | +        | ╀       | +       | 1        |
|                 | 34       | コ                     | Ξ |          |            | 口        | t      | 土         | $^{\pm}$  | T         | 1               |              | 84        | Ħ            | 口        | $\exists$   | $\pm$    | #         | 二          | Ħ            | ゴ          |            |       | 34       |          | 士              | #     | 士     | 士     | 土        | 士       | 士       | 1        |
| $\vdash$        | 35<br>36 | 4                     |   | Н        | -          | -        | +-     | +         | +         | +         | 1               | $\vdash$     | 85<br>86  | Н            | Н        | $\dashv$    | +        | +         | +          | Н            | $\dashv$   | F          |       | 35<br>36 | Н        | +              | +     | 4     | 4     | +        | +       | ╀       | 1        |
|                 | 37       | ╛                     | _ | Н        |            | $\vdash$ | 上      | t         | 士         | $\pm$     | 1               |              | 87        | Н            |          |             | $\pm$    | 1         |            | Н            | $\exists$  | E          |       | 37       |          | 士              | 士     | +     | $\pm$ | 士        | İ       | $\pm$   | 1        |
|                 | 38       | $\operatorname{\Box}$ |   | П        |            | F        | F      | Į         | Į.        | F         | }               |              | 88        | $\Box$       | П        | 4           | Ţ        | Ŧ         | F          | П            | $\Box$     | F          |       | 38       | $\Box$   | 7              | Ţ     | Ţ     | T     | Ŧ        | L       | F       | ].       |
| $\vdash$        | 39<br>40 | +                     | - | Н        | $\vdash$   | $\vdash$ | H      | +         | ╁         | +-        | {               | $\vdash$     | 89<br>90  | Н            | $\dashv$ | $\dashv$    | +        | +         | +          | Н            | $\dashv$   | $\vdash$   |       | 39<br>40 | $\dashv$ | +              | +     | +     | +     | ╁        | +       | +       | 1.       |
|                 | 41       | $\Box$                |   | Ц        |            |          | L      | I         | Ļ         | Ţ         | ]               |              | 91        |              |          | $\exists$   | 1        | I         | I          | 口            | $\exists$  |            | 1     | 41       |          | 1              | I     | Ţ     | Ţ     | Į        | T       | I       | 1        |
| ┝╌┤             | 42       | $\dashv$              | - | Н        | ⊢          | ⊢        | ╀      | ╀         | ╀         | ╁         | 1               |              | 92<br>93  | Н            | Н        | $\dashv$    | +        | +         | ╀          | H            | $\dashv$   | $\vdash$   |       | 42<br>43 | $\dashv$ | +              | +     | +     | ╀     | +        | ╀       | ╁       | 1        |
|                 | 44       | 士                     |   | Ħ        |            | 上        | L      | İ         | İ         | 土         | 1               |              | 94        |              |          | 士           | 土        | 上         | İ          |              |            | E          | 1     | 44       |          | 士              | 土     | 土     | 1     | 1        | I       | 上       | 1        |
|                 | 45<br>46 | $\dashv$              | _ | П        | F          | F        | L      | Ţ         | F         | F         |                 |              | 95<br>96  |              | $\dashv$ | 4           | Ŧ        | F         | F          | П            | $\exists$  | F          |       | 45<br>46 | $\dashv$ | Ŧ              | Ŧ     | Ŧ     | Ŧ     | F        | F       | F       |          |
| Н               | 47       | $\dashv$              | - | Н        |            | H        | ╁      | +         | +         | +         |                 |              | 97        | $\vdash$     | $\dashv$ | +           | 十        | Ť         | +          | H            | $\dashv$   | $\vdash$   |       | 47       | $\dashv$ | +              | +     | +     | +     | +        | ╁       | +       | 1        |
|                 | 48       | $\dashv$              |   |          |            |          |        | L         | I         | I         |                 |              | 98        | 口            | $\Box$   | 7           | T        | L         |            | 口            | コ          | F          | 1     | 48       | $\Box$   | 丰              | T     | #     | Ŧ     | T        | T       | Ţ       | 1        |
| $\vdash$        | 49<br>50 | ╁                     | - | $\vdash$ | Н          | ┝        | ╀╌     | ╁         | ╁         | ╁         |                 |              | 99<br>100 | $\dashv$     | $\dashv$ | +           | ╀        | +         | ╁          | Н            | $\dashv$   | $\vdash$   |       | 49<br>50 | +        | +              | ╁     | +     | +     | +        | ╁       | ╁╴      | ł        |